

FH10105-001

FIRE TEST CERTIFICATE



The specimens described below were tested by BRANZ in accordance with AS/NZS 3837 for determination of AS 3959–2009 assessed performance.

Test Sponsor

Wood Modification Technologies Limited
19 Melanesia Road
Kohimarama
Auckland 1071
New Zealand

Date of tests

14 March 2018

Reference BRANZ Test Report

FH10105-001 – issued 3/05/2018

Test specimens as described by the client

Durable Flame Retardant [FR] treated wood product called Fx-29™

A fully impregnated chemical treatment for wood (radiata pine), referred to as Fx-29™. The product is a non-leachable material based on an inorganic metal oxide composition.

Specimens reference	Mean values		
	Mass (g)	Thickness (mm)	Apparent density (kg/m ³)
FH6239-15-25-1, 2, 3	99.1	21.8	455

Testing in accordance with AS 3959–2009

The specimens were subjected to the ASTM D2898 Method B accelerated weathering regime with water flow rate modified to be the same as that within ASTM D2898 Method A prior to testing in accordance with AS/NZS 3837.

The test results to withstand exposure up to BAL—29 conditions were as follows:

Specimen: Durable Flame Retardant [FR] treated wood product Fx-29™			
Irradiance (kW/m ²)	AS 3959 Criteria	Test result summary	Performance assessment
25	Maximum HRR ≤ 100 kW/m ²	90.3	Pass
	Average HRR for 10 mins. following ignition ≤ 60 kW/m ²	31.1	Pass

Issued by

Lukas Hersche
Fire Testing Engineer
BRANZ

Reviewed by

Peter Collier
Senior Fire Safety Engineer
IANZ Approved Signatory

Regulatory authorities are advised to examine test reports before approving any product.



All tests and procedures reported herein, unless indicated, have been performed in accordance with the laboratory's scope of accreditation

Issue Date

3 May 2018